

AIM Ann Report
1887 to 1888

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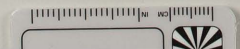
REPORT
OF THE
Auckland Institute
AND
MUSEUM

For 1887—88.

*Adopted at the Annual Meeting, held on
February 20th, 1888.*

Auckland :
H. BRETT, STAR OFFICE, SHORTLAND STREET.
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MDCCCXXXVIII.

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1887 to 1888



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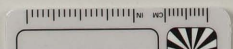
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OFFICERS
OF THE
AUCKLAND INSTITUTE.

President :

S. PERCY SMITH, Esq., F.R.G.S.

Vice-Presidents :

Prof. A. P. THOMAS, F.L.S.

Prof. F. D. BROWN.

Council :

COOPER, C., Esq.

MARTIN, J., Esq., F.G.S.

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PEACOCK, T., Esq., M.H.R.

GULLIVER, Rev. E. H., M.A.

POND, J. A., Esq.

HAULTAIN, Hon. Col.

PURCHAS, Rev. A. G., M.R.C.S.

MACKECHNIE, E. A., Esq.

RUSSELL, J. B., Esq.

TEBBS, Rev. W.

Trustees :

MACKECHNIE, E. A., Esq.

PEACOCK, T., Esq., M.H.R.

SMITH, S. P., Esq., F.R.G.S.

Secretary and Treasurer :

T. F. CHEESEMAN, Esq., F.L.S., F.Z.S.

Auditor :

J. STEWART, Esq.

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The following

Magazines and Periodicals

Are circulated amongst the Members:—

Quarterly Journal of Microscopical Science

The Ibis

Nature

Geological Magazine

Lancet

Scientific American

The Academy

Knowledge

Botanical Magazine

Gardeners' Chronicle

Chemical News

Engineering

Science Gossip

Electrical and Telegraphic Review

Journal of the Society of Arts

Annals and Magazine of Natural History

Food

The Building World

REPORT.

IN accordance with the usual custom, the Council have to present to the members a report on the condition and finances of the Institute, and its progress during the year.

Members.—Seven new members have been added to the roll since the last annual meeting. This is an unusually small number, the elections in 1886 being fourteen, and in 1885, twenty. On the other hand, no less than thirty names have been withdrawn; two from death, sixteen from resignation, and twelve from non-payment of subscription for two consecutive years. The total number of members is thus reduced by twenty-three, and now stands at 255, instead of 278 as at the commencement of the year. The Council regret that they have to record this decrease; but considering the widespread commercial depression now passing over the colony, and which has more or less injuriously affected all its institutions, the loss is perhaps not more serious than might have been anticipated. No doubt, with a revival in trade, and the restoration of confidence in commercial circles, the roll of the Institute will soon regain its former position.

Finance.—The balance-sheets appended to the report will give full information respecting the financial position of the Institute. The total revenue of the general account has been £962 5s. 1d. In 1886 the amount was £942 9s. 6d. The members' subscriptions have yielded £184 16s., being a decrease of over £40; but of course this follows as a necessary consequence of the reduction in the number of members. The receipts from the invested funds of the Costley bequest have been £625 11s. 1d., as against £631 14s. for 1886. The bequest of £100 made by the late Mr. D. Nathan, which was alluded to in the last report, has been received from his executors, and placed in the Savings Bank until a permanent investment can be found. The total expenditure, which has amounted to £958 2s. 10d., has been kept as low as possible, and includes not only the current expenses of the Institute and Museum, but also the overdraft of nearly £120 outstanding at the commencement of the year; there being now a small credit balance in the Bank of New Zealand. With respect to the Museum Endowment accounts, the Council have only quite lately received the purchase money from the last sales of lands. From some unexplained reason, there has been considerable delay in handing over the amount to the Institute, the greater portion of the sales having taken place more than eighteen months ago. The total amount placed to the credit of the endowment during the year has been £399 8s. 4d. Most of this is capital, and will be invested as soon as possible; but a small portion comes under the head of

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"rents and profits," and can be directly applied to the maintenance of the Museum.

Meetings.—Ten meetings have been held during the year. The following is a list of the papers read :—

1. Inaugural Address. By the President, Prof. A. P. THOMAS.
2. On two new species of *Metaglymma*. By Capt. T. BROUN.
3. New Experiments on the Nature of Colour. By B. W. BETTS.
4. Remarks on the Maori Collection bequeathed by the late Mr. C. O. Davis. By T. F. CHEESEMAN.
5. Pauperising the People. By E. A. MACKECHNIE.
6. The Extraction of Metals from their Ores. By Prof. F. D. BROWN.
7. On the Ingenuity and Destructiveness of Rats. By A. REISCHEK.
8. On the Growth of Transplanted Trees. By J. BABER, C.E.
9. Notes on the Hot Springs on the Great Barrier Island. By C. P. WINKELMANN.
10. On the Nature of Government, with special reference to Property in Land. By J. BUCHANAN.
11. Foods and Beverages. By J. A. POND.
12. On some new Genera and Species of Plant - feeding Coleoptera. By Capt. T. BROUN.
13. Notes on the Three Kings' Islands. By T. F. CHEESEMAN, F.L.S.
14. Personal Representation, a Modification of Hare's System. By Prof. ALDIS.
15. Brains and Character. By Dr. BOND.
16. New Species of *Silphidae*. By Capt. T. BROUN.
17. Descriptions of new species of Spiders. By A. T. URQUHART.
18. On the Age of the Deposits in Kent's Cavern, as an Index of the Age of Ethnological and Zoological Remains. By the Rev. W. TEBBS.
19. The Whence of the Maori. By W. H. BLYTH.
20. Notes on the Geological Structure of the Kermadec Islands. By S. Percy SMITH.
21. Notes on Rock Specimens from the Kermadec Islands. By Prof. A. P. THOMAS.
22. The Flora of the Kermadec Islands, with Notes on the Fauna. By T. F. CHEESEMAN.
23. On the Geology and Physiography of the King Country. By L. CUSSEN.

24. Notes on Rock Specimens from the King Country. By
Prof. A. P. THOMAS, F.L.S.
25. On the Fishes of Mokohinou Island. By P. S. SANDAGER.

Most of above papers have been sent to Wellington, and a selection from them will appear in the next volume of "Transactions."

Museum.—In June last it was decided to make a change in the hours of admission to the Museum, and to open the doors at 10 a.m. instead of at noon. Up to the present time, the attendance during the additional hours has been very small. The total number of visitors it is difficult to estimate with an approach to accuracy, there being no recording mechanism, and the attendance fluctuating considerably, according to the weather and other circumstances. The result of a few countings would seem to place the daily average at about 75, which would make a total of 23,475 for the week days. On Sunday afternoons the attendant has kept a register, which shows the number of visitors for the year to have been 8,892, or an average of 171 for each Sunday. The estimated total yearly attendance is thus 32,367, being an increase of 6,757 on the estimated number for the previous year.

During the winter the Council received a petition from some working-men of Auckland, asking that the Museum might be opened occasionally during the evenings, representing that from the nature of their avocations it was impossible for them to attend in the daytime, and that consequently they were debarred from making full use of the collections. Although there are serious objections to the opening of Museums at night as long as the illuminating agent is composed of gas, from the deteriorating effect it has on some classes of specimens, the Council resolved, as an experiment, to open the Museum for two hours on every Friday evening for the space of three months. With the view of popularising the institution as much as possible, the President (Prof. Thomas) engaged to be present on each evening, and to give a series of short "talks" on various objects of interest in the collections. The attendance was on the whole satisfactory, and much interest was evinced in the "talks"; but the Council regret to say that the proportion of working-men present was very small indeed.

The crowded state of the Museum renders it difficult to make any changes of importance, either in the classification of the specimens or in the exhibition of fresh ones. No taxidermist has been employed during the year, and consequently no additions have been made to the stuffed specimens on exhibition. New cases have been erected on the main floor of the hall for the foreign and New Zealand shells, the space formerly occupied by them on the gallery being intended for a series of New Zealand minerals, ores, rocks, etc., which will be placed on exhibition in a short time. A few minor changes in other portions of the collections have also been made, but it is hardly necessary to mention them in detail here.

A considerable number of donations have been received during the year, all of which will be found mentioned in the appended list. The

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Council would direct special attention to the valuable collection of Maori articles presented by the late Mr. C. O. Davis shortly before his death. It includes a very large number of mats of different kinds—dog-skin, feather, and flax—several elegantly carved wooden and whalebone meres, carved boxes, ornaments, weapons, and a variety of other articles. Altogether it is one of the most acceptable donations received for some years. The Institute is also indebted to Mr. Corkhill for depositing in the Museum his valuable Maori collection, which includes several articles not previously represented in the Museum.

It is obvious that the enlargement of the Museum is a question that must soon engage the attention of the Institute. In the present building there is not space to properly arrange and classify the exhibits, and, as pointed out in the report for last year, the general appearance of the Museum, and its value as an educational institution, consequently suffer. The Council are in hopes that it may soon be possible to realise a sufficiently large portion of the capital amount of the Museum Endowment to afford a yearly revenue for the maintenance of the Museum; for the falling off in the members' subscriptions proves that it would be unsafe to expend any considerable part of the Costley bequest in erecting a building until its place is thus supplied. Any suggestions that the members may have to make on this important matter will have the full consideration of the Council.

Library.—Few additions have been made to the Library during the year, beyond the usual exchanges and presentations from foreign societies. It is proposed, however, to forward a considerable order to London before long. In order to ascertain the wishes of members as to the purchase of books, a suggestion-book has been placed in the Curator's office. Members are invited to enter therein the titles of books which they consider it desirable to add to the Library, and such suggestions will be carefully considered by the Library Committee. The scientific magazines and periodicals subscribed to by the Institute, a list of which will be found on another page, have been regularly received, and have been to some extent circulated amongst the members.

Thanks.—As in many previous years, the thanks of the Institute are tendered to the numerous donors to the Museum and Library whose name are mentioned in the appended list. Similar acknowledgments are also due to Messrs. W. K. Graham and Co., and Mr. Hugh Craig, for their valued services as agents of the Institute in London and San Francisco.

The Treasurer in Account with the Auckland Institute.

FEBRUARY 15, 1887, TO FEBRUARY 15, 1888.

	£	s.	d.		£	s.	d.
Entrance Fees and Subscriptions	184	16	0	Balance due Bank of New Zealand, February 15, 1887 ...	119	14	5
Rents	51	18	0	Books, Periodicals, Binding	48	16	0
Interest from Costley Bequest	625	11	1	Additions to Museum	38	5	0
Legacy from the late D. Nathan, Esq.	100	0	0	Museum Requisites... ..	38	9	8
				New Fittings and Cases	48	3	0
				Printing, Advertising, Postages, Stationery, Gas, In-			
				surance, etc.	127	8	0
				Salaries	393	10	0
				Repairs to Building, Painting, Drainage, etc.	26	15	0
				Sundries	11	15	9
				Interest on Overdraft	5	6	0
				Nathan Legacy Transferred to Savings Bank	100	0	0
				Balance in Bank of New Zealand, February 15, 1888 ...	4	2	3
	£	962	5	1	£	962	5
							1

January 15, 1888.

T. F. CHEESEMAM, TREASURER.

Examined and found correct,

JOHN REID, AUDITOR.

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INVESTMENT FUND ACCOUNT.

FEBRUARY 15, 1887, TO FEBRUARY 15, 1888.

	£	s.	d.		£	s.	d.
Balance in Auckland Savings Bank, February 15, 1887 ...	119	5	0	Balance in Auckland Savings Bank, February 15, 1888 ...	136	1	6
Life Subscription	10	10	0				
Interest to December 31, 1887	6	6	7				
	<u>£136</u>	<u>1</u>	<u>6</u>		<u>£136</u>	<u>1</u>	<u>6</u>

MUSEUM ENDOWMENT ACCOUNT.

FEBRUARY 15, 1887, TO FEBRUARY 15, 1888.

	£	s.	d.		£	s.	d.
Balance in Bank of New Zealand, February 15, 1887 ...	96	19	4	Balance in Bank of New Zealand, February 15, 1888 ...	496	7	8
Interest on Investments	62	5	0				
From Paymaster-General, on account of Sales and Rents...	336	18	6				
Discount	0	4	10				
	<u>£496</u>	<u>7</u>	<u>8</u>		<u>£496</u>	<u>7</u>	<u>8</u>

February 15, 1888.

T. F. CHEESEMAM, TREASURER

Examined and found correct, JOHN REID, AUDITOR.

INVESTMENTS OF THE AUCKLAND INSTITUTE.

	£	s.	d.
COSTLEY BEQUEST—			
On Mortgage on Freehold Security at 6 per cent.	7000	0	0
Deposited with Industrial and Provident Building Society at 7 per cent.	1050	0	0
Deposited with Industrial and Provident Building Society at 6 per cent.	1000	0	0
Deposited with Industrial and Provident Building Society at 5 per cent.	150	0	0
MUSEUM ENDOWMENT—			
On Mortgage on Freehold Security at 7 per cent.	900	0	0
LEGACY ACCOUNT—			
Nathan Legacy, Deposited in Auckland Savings Bank at 5 per cent.	100	16	8
INVESTMENT FUND FOR LIFE SUBSCRIPTIONS—			
Deposited in Auckland Savings Bank at 5 per cent.	136	1	6
TOTAL INVESTMENTS... ..	£10,336	18	2

T. F. CHEESEMAN, TREASURER.

ADDITIONS AND DONATIONS

TO THE

LIBRARY AND MUSEUM.

-
- Colonial Museum and Laboratory Report for 1886-87; Geological Reports for 1885-86-87. The Director of the Geological Survey.
Parliamentary Papers and Reports; New Zealand Hansard for 1887; New Zealand Statutes for 1887; Handbook of New Zealand Mines. The New Zealand Government.
Statistics of Tasmania for 1886; Walch's Tasmanian Almanac. The Colonial Secretary, Tasmania.
McCoy's Prodromus of the Zoology of Victoria, Decades 1 to 15. The Chief Secretary, Victoria.
Journal of the Royal Society of New South Wales, Vol. XX. The Society.
Journal of the Linnean Society of New South Wales, Vol. II., new series. The Society.
Journal of the Royal Society of Victoria, Vol. XXIII. The Society.
Transactions of the Royal Society of South Australia for 1885-86. The Society.
Proceedings of the American Association for the Advancement of Science for 1885 and 1886. The Association.
Reports of the Smithsonian Institution for 1884, Part II.; 1885, Part I. The Smithsonian Institution.
Proceedings of the Royal Colonial Institute, Vol. XIX. The Institute.
Report of the Geological Survey of Canada for 1885-86. The Geological Survey.
Bulletin of the Italian Entomological Society. Prof. H. H. Giglioli.
Culley's Handbook of Practical Telegraphy. J. A. Pond.
Davy's Researches, Physiological and Anatomical, 2 vols. Dr. Sanders.
Descriptions of New Zealand Coleoptera, by Dr. Sharp. The Author.
Report on the Tarawera Eruption, by Prof. F. W. Hutton. The Author.
Reports on the Eruption of Tarawera and on the Kermadec Islands, by S. Percy Smith. The Author.
Angas's New Zealanders Illustrated. Purchased.
Pamphlets on Mineralogical Subjects. G. F. Kurz.
Photograph of Waka Nene. S. Stuart.
Facsimile of Hieroglyphics from Easter Island. E. C. Degage, Tahiti.
Copy of the "Reading Mercury" for Feb. 1, 1723; and of the "Shrewsbury Chronicle" for Nov. 23, 1772. H. Buttle.
Journal of the Society of Arts for 1887. The Society.
Maskell's New Zealand Scale-insects. The Author.
-

Specimens, male and female, of Red Grouse and Alpine Ptarmigan. S. B. Clarke, Croydon Lodge, England.
Two Spoon-bill Ducks. A. W. Williams, Napier.
Live Kiwi. Mrs. Gwynne.
Kiwi's Egg. H. D. Mackellar.
Skins of Cook's Petrel. P. S. Sandager.

Crested Penguin. Captain Fairchild.
Skins of Land-rail and Grebe. A. Wilson.
New Zealand Bird Skins. Purchased from W. Smyth, Dunedin.
Skin of Bittern. J. Collins.
New Zealand Birds' Eggs. J. Symons.
Four Tuatara Lizards. Captain G. Mair.
Tree Lizard. J. Stewart.
Young Porpoise. Mr. Sandes.
Lamprey. E. B. Dickson.
Australian Fringed Lizard. Mr. Parker.
Barnacles on the Skin of a Whale. Captain Fairchild.
Nest of Mason Wasp. H. D. Johnson.
New Zealand Shells. T. L. White.
New Zealand Shells. P. Allan.
New Zealand Shells. K. Watkins.
New Zealand Land Shells. R. Helms.
New Zealand Shells. C. P. Winklemann.
Hepialus virescens. Miss Tisdall.
Coral from Tonga. Miss Larkins.

Large Block of Nephrite. R. Helms.
Rock Specimens from the Great Barrier. C. P. Winklemann.
Fossil Crab from Whangarei. J. D. Mackenzie.
Stalactite from Whangarei. T. Kirk.
Minerals from Cornwall; Auriferous Quartz from the Thames. W. Edgecumbe.
Silicified Shells from Westland. Dr. Davy.
Silicified Wood. S. E. Slader.
Chrome Ore, Auriferous Quartz, and other Minerals from Nelson. J. H. Bettany.
Encrinite Marble from Queensland. F. Morton.
Kauri Gum with water cavity. Mr. Heighway.

Large and Valuable Collection of Maori Articles—Mats, Weapons, Implements,
etc. C. O. Davis.
Maori Carved Walking-stick. W. Hunter.
Maori Stone Adzes. A. Price.
Whalebone Mere. Mr. Corkhill.
Large Collection of Maori Articles. Deposited by Mr. Corkhill.
Paddle found five feet below a deposit of peat at Te Aroha. Mr. Lovegrove.
Stone Adze from Hawera. J. S. Lysaght.
Large Carved Stone, Fishing Weight, Stone Adzes. J. McElwaine.
Maori Fishing Weight, Stone Adze. C. P. Winklemann.
Maori Stone Axes, Fishing Weights, Wooden Fern-pounder. W. H. Shakes-
peare.
Large Fern-pounder. C. A. M. Chapman.
Large Collection of Ethnological Specimens from Fiji. T. Steel.
Fijian Pottery, Wooden Gong, Fishing Dress, Wooden Pillows. E. Ford.
Curious Images from the Solomon Islands. Bishop Selwyn.
Copper Bolts from the Wreck of the "Orpheus." D. S. Chambers.
Portion of the Kororareka Flagstaff, cut down by Hone Heke in 1842. W. R.
Waddell.
Silver Coin. A. Black.
Roman and Venetian Coins. Rev. D. F. Vaggioli.

LIST OF MEMBERS,

For the Year ending March 31, 1888.

[HONORARY AND LIFE MEMBERS DISTINGUISHED THUS *]

Adams, J., B.A., Thames	Campbell, Rev. J., Ponsonby
Aickin, G., Auckland	Carr, R. C., Remuera
Aitken, W. "	Chamberlain, Hon. H., Parnell
Aldis, Prof. "	Chambers, J., Auckland
Alexander, C. "	Champtaloup, E. "
Alexander, J. M., Auckland	Cheal, P. E., Thames
Allwright, H., C.E. "	Cheeseman, T. F., F.L.S., Auckland
Atkin, W., Tamaki	Ching, T., Parnell
	Clark, A., Remuera
Baber, J., C.E., Remuera	Clark, J. M., Remuera
Bagnall, L. J., Thames	Clark, M. A. "
Baker, Rev. S. W., Auckland	Clayton, W. T., Auckland
Ball, T., Onchunga	Coates, J. "
Ball, W. T., Auckland	Cochrane, W. S. "
Barber, H. P., Parnell	Coleman, W. C., Parnell
Barstow, R. C., Epsom	Combes, F. H., Auckland
Bartley, E., Devonport	Comiskey, P. "
Bates, Rev. J., Devonport	Cooke, C. E. "
* Bates, T. L., Newcastle, N.S.W.	Coombes, S. "
Batger, J., Auckland	Compton, F. E. "
Beere, D. M., C.E., Ponsonby	Coom, J., C.E. "
Beetham, A., Henderson	Cooper, C. "
Bell, E., Auckland	Cooper, T. "
Berry, W., Auckland	Cowie, Rt. Rev. W. G., D.D., Bishop of Auckland
Bond, J. H. R., M.D., Auckland	Cozens, G., Auckland
Bourne, C. F., M.A. "	Craig, Mrs. E. "
Boylan, J. F., C.E. "	Cranwell, R. "
Brett, H. "	Cranwell, T. "
Brigham, J. M. "	Cruikshank, D. B., Auckland
Brock, A. "	Cussen, L. "
Broun, Capt. T., F.E.S., Drury	
Brown, Prof. F. D., Auckland	Darby, P., Auckland
Browning, R. "	Davy, T. G., M.R.C.S.E., Ponsonby
Bruce, Rev. D. "	Dawson, F. W., M.R.C.S.E., Auckland
Buchanan, John "	
Buchanan, J. "	Dignan, Hon. P., Auckland
Buchanan, W., Devonport	Douglas, C. "
* Buckland, A., Auckland	Dufaur, E. T. "
Buckland, W. F., Remuera	
Buddle, T., Auckland	Eilson, J., Devonport
Bull, A., Mount Eden	Edgecumbe, F. H., Ngaurawahia
Burgess, E. W., Devonport	Elam, J., M.R.C.S.E., Tamaki
* Burton, Capt., London	Elliott, W., Auckland
Burton, W., Auckland	Errington, W., C.E., Auckland
	Ewington, F. G. "
Cameron, R., Auckland	
Campbell, H.	Fallon, D., Auckland
Campbell, J. L., M.D., Auckland	

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Farmer, J., London
Fenton, F. D., Kaipara
Fidler, W. "
Firth, J. C. "
Firth, W. T., Matamata
Fraser, G., Auckland

Garland, H. N., Auckland
George, C. S. "
George, S. T., Parnell
Gillies, His Hon. Justice, Auckland
Goldie, D., Auckland
Goldie, W.
Goldsmith, E. C., Tauranga
Goodfellow, W., Otara
Gover, A. H., Remuera
Gorrie, W., Auckland
Grace, L. M., Taupo
Graham, W. K., London
Gray, A., Remuera
Grey, J., Auckland
Grey, C. "
Greenway, J. H.
Gulliver, Rev. E. H., M.A.,
 Auckland

Haines, C. H., M.D., F.R.G.S.,
 Auckland
Hammond, W. F., Auckland
Hardie, J. "
Harding, S., C.E. "
Harker, N. "
Harrison, E. M. "
Haszard, H. D. M. "
Haultain, Hon. Col. "
Hay, J. "
Hay, W. M., Cambridge
Heather, A., Auckland
Henton, J. S. "
Herepath, P. "
Herepath, S. M. "
Hesketh, E. "
Herbert, T., Parnell
Hill, Rev. J. S., Auckland
Hill, W. J. "
Hobart, J. B. "
Hobbs, R., M.H.R., Pokeno
Honeyman, J. H., M.D., Auckland
Howard, J. "
Hunt, R. R. "
Hunter, A. J., C.E. "

Ireland, F., Auckland

Johnson, H. D., Rotorua
Judd, A., Auckland

Kempt, D., Auckland
Kenderdine, J. "
Kidd, A. "
Kidd, Rev. R., LL.D., Auckland
*Kirk, T., F.L.S., Wellington
*Kitt, T. W., Auckland

Lamb, J., Auckland
Lanigan, Pierce, Auckland
Larkins, F., London
Larkworthy, F., London
Lawry, T. S., M.R.C.S.E., Auckland
*Leaf, C. J., F.L.S., F.G.S., London
Lennox, J. M., Auckland
*Lennox, N. G., Sydney
Leys, T. W., Auckland
Lindsay, J., C.E., Ngaruawahia
Lodder, W., Auckland

Macfarland, R. J., C.E., Ellerslie
Mackechnie, E. A., Auckland
Mackenzie, D. H. "
Macky, T. "
MacLaughlin, W., Papaitoi
Maclean, E., Cambridge
Macmillan, C. C., Auckland
Mahoney, T. "
Mair, Capt. G., Tauranga
Mair, R., Whangarei
Mair, Major W. G., Auckland
Martin, J., F.G.S. "
Masefield, T. T. "
Maunsell, Archdeacon R., Parnell
*Meinertzhagen, F. M., Napier
McColl, J., Newmarket
McCullough, W., Auckland
McGregor, A. "
McLaurin, J. "
Moat, W. P., Mahurangi
Moody, T. P., Kawakawa
Moore, J. Murray, M.D., Auckland
Morton, H. B. "
Morrin, T. "
Monro, H. A. H., Parnell
Montgomery, A., Thames
Murdoch, D. L., Auckland
Murray, T. L., Thames

Nathan, L. D., Auckland
Nathan, A. H. "

Orchiston, W., Auckland
O'Rorke, Sir G. M. "
O'Sullivan, R. J. "
Owen, G. B. "
Owen, G. W. "

Paul, Rev. J. S., Onehunga
Peacock, T., M.H.R., Auckland
Percival, H., Parnell
Pierce, G. P., Auckland
Plumley, E. A. "
Pond, J. A. "
Posnett, Prof. H. M., F.L.S.,
 Auckland
Purchas, Rev. A. G., M.R.C.S.E.,
 Auckland
Purchas, A. C., M.D., Auckland

Rawlings, M., Parnell
Reid, J., Auckland

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Ring, C., Auckland
Robertson, J. „
Rose, R. „
Russell, Jas. „
Russell, J. B. „
*Russell, T., London
Rutherford, J. S., Kamo

Sanders, C. W., Parnell
Saunders, A., Auckland
Seegner, C. „
Shaw, H. „
Shera, J. M. „
Shrewsbury, A., Parnell
Simpson, F., Whangarei
Sinclair, A., Auckland
Smith, H. G. S. „
Smith, S. P., F.R.G.S., Parnell
Speight, W. J., Auckland
Steel, T., Melbourne
Stewart, J., C.E., Auckland
Stockwell, W., M.R.C.S.E., Auckland

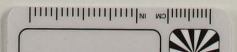
Taylor, A. K., Mount Albert
Tebbs, Rev. Wm., Auckland
Thomas, Professor A. P., F.L.S.,
Auckland
Thorne, G., jun., Auckland
*Tinne, H., London
Tinne, T. F. S., Auckland

Upton, J. H., Auckland
Urquhart, A. T., Karaka

Vaile, S., Auckland
Von Sturmer, E. S., Auckland

Waddel, W. R., Auckland
Wade, H. G. „
Wallis, Rev. Dr. „
Waymouth, J. „
Webb, F. R. „
Webster, J., Hokianga
*Weetman, S., Gisborne
Whitaker, E. H., Auckland
Whitaker, Sir F. „
Wilkinson, G. T., Alexandra
Will, W., Auckland
Williams, Ven. Archdeacon W. L.,
Gisborne
Williamson, Hon. Jas., Auckland
Williamson, C. „
Wilson, H. M., Warkworth
Wilson, W. S., Auckland
Winkleman, C. P., Kaipara Heads
Winks, J., Parnell
*Withy, E., Parnell
Worthington, H., Auckland
Wright, F. W., L.M.B., Toronto,
Parnell

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